

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings of claims in the application:

LISTING OF CLAIMS:

1-17 (canceled)

18.(new) A self-tapping stud for rubber supports of shoes, tyres and the like, comprising a body presenting a threaded portion fixable into said rubber support and a head which projects from said support when said stud has been mounted, characterised in that said threaded portion presents a thread provided with a free helical edge which extends along a substantially cylindrical surface; in that said threaded portion presents a substantially conical or frusto-conical core; and in that said threaded portion presents a thread provided at its free start with a cutting edge, said cutting edge being orientated with the same inclination as said thread.

19.(new) A self-tapping stud as claimed in claim 18, characterised in that a first thread profile facing the convergent end of the core is substantially perpendicular to an axis of said core.

20.(new) A self-tapping stud as claimed in claim 18, characterised in that a second thread profile facing the body of said core is substantially inclined to an axis of said core.

21.(new) A self-tapping stud as claimed in claim 18, characterised in that said second profile is inclined at an obtuse angle to an axis of said core.

22.(new) A self-tapping stud as claimed in claim 18, characterised in that said obtuse angle is between 95 and 110 degrees.

23.(new) A self-tapping stud as claimed in claim 18, characterised in that said free helical edge presents a substantially flat longitudinal profile.

24.(new) A self-tapping stud as claimed in claim 18, characterised in that said substantially flat longitudinal profile presents dimensions between 0.4 and 1.6 millimetres.

25.(new) A self-tapping stud as claimed in claim 18, characterised in that said body (2) is faceted (2a), said part (5) presenting a rounded or round profile.

26.(new) A tool for mounting studs of the type comprising a body presenting a threaded portion fixable into a rubber support and a head which projects from said support when said stud has been mounted, characterised by comprising: a seat for receiving said head of said stud as an exact fit, and an abutment surface adjacent to a mouth of said seat, said tool enabling said stud to be screwed into said support until said abutment surface abuts against said support.

27.(new) A tool as claimed in claim 26, characterised by comprising a body within which there slides an operating element carrying at its end said seat, said body presenting a first element and a second element which are slidable one in the other against and by the action of elastic means and arranged to assume a first extended position, in which the first element defines a widened chamber facing the seat of the operating element to receive as an exact fit at least a part of said body of said stud, and a second contracted position, in which said seat of

said operating element projects from said first element.

28.(new) A tool as claimed in claim 27, characterised by enabling said stud to be screwed into said support until a surface (24a) of said first element (24) abuts against a surface (25a) of said second element (25).

29.(new) A tool as claimed in claim 28, characterised by comprising a body from which said seat projects.

30.(new) A tool as claimed in claim 28, characterised in that said seat comprises magnetic means to retain said stud in said seat.

31.(new) A tool as claimed in claim 28, characterised by comprising a body from which said seat projects, said body presenting close to said seat an end portion which converges to facilitate visibility in the seat region.

32.(new) A system for installing a self-tapping stud for rubber supports of shoes, tyres and the like, comprising:  
a body presenting a threaded portion fixable into said rubber support and a head which projects from said support when said stud has been mounted, characterised in that said threaded portion presents a thread provided with a free helical edge which extends along a substantially cylindrical surface; in that said threaded portion presents a substantially conical or frusto-conical core; and in that said threaded portion presents a thread provided at its free start with a cutting edge, said cutting edge being orientated with the same inclination as said thread; and  
a tool comprising a seat for receiving said head of said stud as an exact fit, and an abutment surface adjacent to a mouth of said seat, said tool enabling said stud to be screwed into said support until said abutment surface abuts against said support.

33.(new) A self-tapping stud as claimed in claim 19, characterised in that a second thread profile facing the body of said core is substantially inclined to an axis of said core.

34.(new) A self-tapping stud as claimed in claim 19, characterised in that said second profile is inclined at an obtuse angle to an axis of said core.

35.(new) A self-tapping stud as claimed in claim 20, characterised in that said second profile is inclined at an obtuse angle to an axis of said core.

36.(new) A self-tapping stud as claimed in claim 19, characterised in that said obtuse angle is between 95 and 110 degrees.

37.(new) A self-tapping stud as claimed in claim 20, characterised in that said obtuse angle is between 95 and 110 degrees.

38.(new) A self-tapping stud as claimed in claim 21, characterised in that said obtuse angle is between 95 and 110 degrees.